Hand Held Objects

- **Identify hand held items of interest**
- **Data Collection**
- **Convert Data to training program**
- **Train Observers and Conduct Experiments**
- **Segmentation**
- **Data Analysis**
- **Report**

Hand Held Objects: Task 3

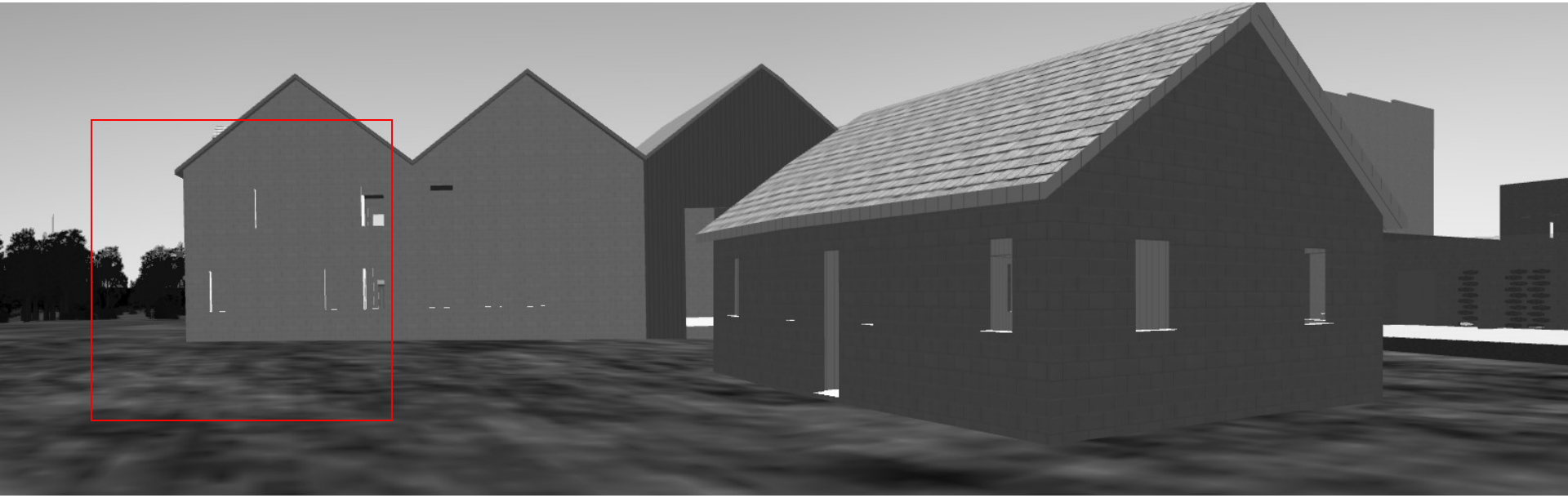
Expand on work from visible into the intensified, MWIR a
spectrum

Search

- **Initial Data Collection**
- **Setup PTN**
- **Training Package for Observers**
- **FOV and FOR Experiments**
- **FOV and FOR Experiments**
- **FOR Real and FOV Experiment**
- **Data Analysis**
- **Report**

Search: Task 5

Previous Work



Current MOUT Work

Potential Variables within Collected Data

- **Individuals**
- **Groups**
- **A lot of people**
- **Age**
- **Size**
- **Male Vs Female**
- **Nationality**
- **Cloths**
- **Uniforms**
- **Civilian**
- **Mask**
- **Hats**
- **Gloves**
- **Coatings**

Face Paint

- **Insect Repellent**
- **Sun Screen**

Deliverables

- N_{50}'s for:
  - Identification of single handheld objects in:
    - Visible
    - I^2 (Light intensified)
    - MWIR
    - LWIR
  - Detection of people (if time permits)
- Probability of detection of threat in MOUT comparison between scenarios in visible, light intensified, MWIR, and LWIR